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U.S. PATENT DOCUMENTS

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
		3,735,640		Chizhov et al.	03-29-1973
		4,318,994		Meyer et al.	03-09-1982
		4,963,498		Hillman et al.	10-16-1990
		5,051,237		Grenner et al.	09-24-1991
		5,219,762		Katamine et al.	06-15-1993
		5,286,454		Nilsson et al.	02-15-1994
		5,376,252		Ekström et al.	12-27-1994
		5,478,751		Oosta et al.	12-26-1995
		5,486,335		Wilding et al.	01-23-1996
		5,571,410		Swedberg et al.	11-05-1996
		5,635,358		Wilding et al.	06-03-1997
		5,637,469		Wilding et al.	06-10-1997
		5,726,026		Wilding et al.	03-10-1998
		5,731,212		Gavin et al.	03-24-1998
		5,866,345		Wilding et al.	02-02-1999
		5,876,675		Kennedy	02-02-1999
		5,942,443		Parce et al.	08-24-1999
		5,957,579		Kopf-Sill et al.	09-28-1999
		5,955,028		Chow	09-21-1999
		6,019,944		Buechler	02/01/2000
		6,042,709		Parce et al.	03-28-2000
		6,046,056		Parce et al.	04-04-2000
		6,103,199		Bjornson et al.	08-15-2000
		6,136,272		Weigl et al.	10-24-2000
		6,146,489		Wirth	11-14-2000
		6,146,589		Chandler	11-14-2000
		6,168,948	B1	Anderson et al.	01-02-2001
		6,176,962	B1	Soane et al.	01-23-2001
		6,184,029		Wilding, et al.	02-06-2001
		6,186,660	B1	Kopf-Sill, et al.	02-13-2001
		6,214,560	B1	Yguerabide et al.	04-10-2001
		6,238,538	B1	Parce et al.	05-29-2001
		6,241,560	B1	Furusawa et al.	06-05-2001
		6,251,343	B1	Dubrow et al.	06-26-2001
		6,274,337	B1	Parce et al.	08-14-2001
		6,333,200	B1	Kaler et al.	12-25-2001
		6,296,020	B1	McNeely et al.	10-02-2001

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.Y./

	6,361,958	B1	Shieh et al.	03-26-2002
	6,413,782	B1	Parce et al.	07-02-2002
	6,416,642	B1	Alajoki et al.	07-09-2002
	6,429,025	B1	Parce et al.	08-06-2002
	6,432,720	B2	Chow	08-13-2002
	6,479,299	B1	Parce et al.	11-12-2002
	6,488,872	B1	Beebe et al.	12-03-2002
	6,488,896	B2	Weigl et al.	12-03-2002
	6,551,841	B1	Wilding et al.	04-22-2003
	6,610,499		Fulwyler, et al.	08-26-2003
	6,613,512	B1	Kopf-Sill et al.	09-02-2003
	6,613,525	B2	Nelson et al.	09-02-2003
	6,620,625	B2	Wolk et al.	09-16-2003
	6,632,619	B1	Harrison et al.	10-14-2003
	6,638,482	B1	Ackley et al.	10-28-2003
	6,656,430	B2	Sheppard, Jr. et al.	12-02-2003
	6,669,831	B2	Chow et al.	12-30-2003
	6,709,869	B2	Mian et al.	03-23-2004
	6,716,620	B2	Bashir et al.	04-06-2004
	6,742,661	B1	Schulte et al.	06-01-2004
	6,761,962	B2	Bentsen et al.	07-13-2004
	6,780,584	B1	Edman et al.	08-24-2004
	6,794,197	B1	Indermuhle et al.	09-21-2004
	6,827,095	B2	O'Connor et al.	12-07-2004
	6,828,143	B1	Bard	12-07-2004
	6,830,936	B2	Anderson et al.	12-14-2004
	6,858,185	B1	Kopf-Sill et al.	02-22-2005
	6,878,271	B2	Gilbert et al.	04-12-2005
	6,878,755	B2	Singh et al.	04-12-2005
	6,949,377	B2	Ho	09-27-2005
	6,953,550	B2	Sheppard, Jr. et al.	10-11-2005
	6,989,128	B2	Alajoki et al.	01-24-2006
	7,005,292	B2	Wilding et al.	02-28-2006
	7,015,046	B2	Wohlstadter et al.	03-21-2006
	7,018,830	B2	Wilding et al.	03-28-2006
	7,067,263	B2	Parce et al.	06-27-2006
	7,087,148	B1	Blackburn et al.	08-08-2006
	7,091,048	B2	Parce et al.	08-15-2006
	2002/0019059	A1	Chow et al.	02-14-2002
	2003/0012697	A1	Hahn et al.	01-16-2003
	2003/0082081	A1	Yves et al.	05-01-2003
	2003/0118486	A1	Zhou et al.	06-26-2003
	2003/0138969	A1	Jakobsen et al.	07-24-2003
	2003/0185713	A1	Leonard et al.	10/02/2003
	2003/0207328	A1	Yguerabide et al.	11-06-2003
	2004/0077074	A1	Ackley et al.	04-22-2004
	2004/0115094	A1	Gumbrecht et al.	06-17-2004
	2004/0228771	A1	Zhou et al.	11-18-2004

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.Y./

		Proceedings of uTAS 2004, 8th International Conference on Miniaturized Systems in Chemistry and Life Sciences, September 26-30, Malmo, Sweden, Edited by Thomas Laurell, Johan Nilsson, Klavs Jensen, D. Jed Harrison, Jorg P. Kutter, The Royal Society of Chemistry, pp. 1-135 (2004).	
		International Search Report and Written Opinion for PCT/US2008/005577 mailed April 3, 2009	
		International Search Report and Written Opinion for PCT/US2008/010022, mailed May 6, 2009.	

EXAMINER:	DATE CONSIDERED:
/Nelson Yang/ (10/26/2009)	

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	2005/0118073	A1	Facer et al.	06-02-2005
	2005/0161669	A1	Jovanovich et al.	07-28-2005
	2005/0221281	A1	Ho	10-06-2005
	2005/0238545	A1	Parce et al.	10-27-2005
	2005/0255003	A1	Summersgill et al.	11-17-2005
	2006/0094119	A1	Ismagilov, et al.	05-04-2006
	2006/0257992	A1	McDevitt et al.	11-16-2006
	2006/0275852	A1	Montagu	12-07-2006
	2008/0085219	A1	Beebe et al.	04-10-2008

FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
	EP	0 110 771	B1	Eastman Kodak Company	03-30-1988		
	EP	0 281 201		PB Diagnostic Systems, Inc.	09/07/1988		
	EP	0 430 248		Mochida Pharm Co. Ltd.	06/05/1991		
	EP	0 643 307	A1	Centro De Ingenieria Genetica Y Biotechnologia	03-15-1995		
	WO	2002/022250	A2	The University of Sheffield	03-21-2002		
	WO	2003/054513	A2	Radius Biosciences	07-03-2003		
	WO	2004/087951	A3	Clondiag Chip Technologies	10-14-2004		
	WO	2005/056186	A1	The Provost Fellows and Scholars of The College of the Holy and Undivided Trinity of Queen Elizabeth Near Dublin	06-23-2005		
	WO	2005/072858		Harvard College	08/11/2005		
	WO	2006/018044	A1	Agilent Technologies Inc.	02-23-2006		
	WO	2006/056787	A1	Norchip AS	06-01-2006		
	WO	2006/113727	A2	President and Fellows of Harvard College	10-26-2006		

OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials #	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		AWN, C. et al., "Disposable Smart Lab on a Chip for Point-of-Care Clinical Diagnostics", <i>Proceedings of the IEEE</i> , Vol. 92, No. 1, pp. 154-173 (2004).	
		ANDERSSON, et al., "Micromachined flow-through filter-chamber for chemical reactions on beads", <i>Sensors and Actuators</i> , Vol. B67, pp. 203-208 (2000).	
		DARDION, et al., "Chemical sensing using an integrated microfluidic system based on the Berthelot reaction", <i>Sensors and Actuators B</i> , Vol. 76, pp. 235-243 (2001).	
		DODGE, et al., "Electrokinetically Driven Microfluidic Chips with Surface-Modified Chambers for Heterogeneous Immunoassays", <i>Anal. Chem.</i> , Vol. 73, pp. 3400-3409 (2001).	
		GRODZINSKI, P. et al., "A Modular Microfluidic System for Cell Pre-concentration and Genetic Sample Preparation", <i>Biomedical Microdevices</i> , 5:4,303-310 (2003).	
		JUNCKER, et al., "Autonomous Microfluidic Capillary Systems", <i>Anal. Chem.</i> , Vol. 74, pp. 6139-6144 (2002).	
		MOORTHY, et al., "Microfluidic tectonics platform: A colorimetric, disposable botulinum toxin enzyme-linked immunosorbent assay system", <i>Electrophoresis</i> , Vol. 25, pp. 1705-1713 (2004).	
		SIA, S., et al., "An Integrated Approach to a Portable and Low-Cost Immunoassay for Resource-Poor Settings", <i>Angew. Chem. Int. Ed.</i> , Vol. 43, pp. 498-502 (2004).	
		SIA, S., et al., "Microfluidic devices fabricated in poly(dimethylsiloxane) for biological studies", <i>Electrophoresis</i> , Vol. 24, pp. 3563-3576 (2003).	
		WEIGLE, et al., "Lab-on-a-chip for drug development", <i>Advanced Drug Delivery Reviews</i> , Vol. 55, pp. 349-377 (2003).	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.Y./